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U.S. Flex

U. S. Flexible Tubing Co., Bartlett, Ill.

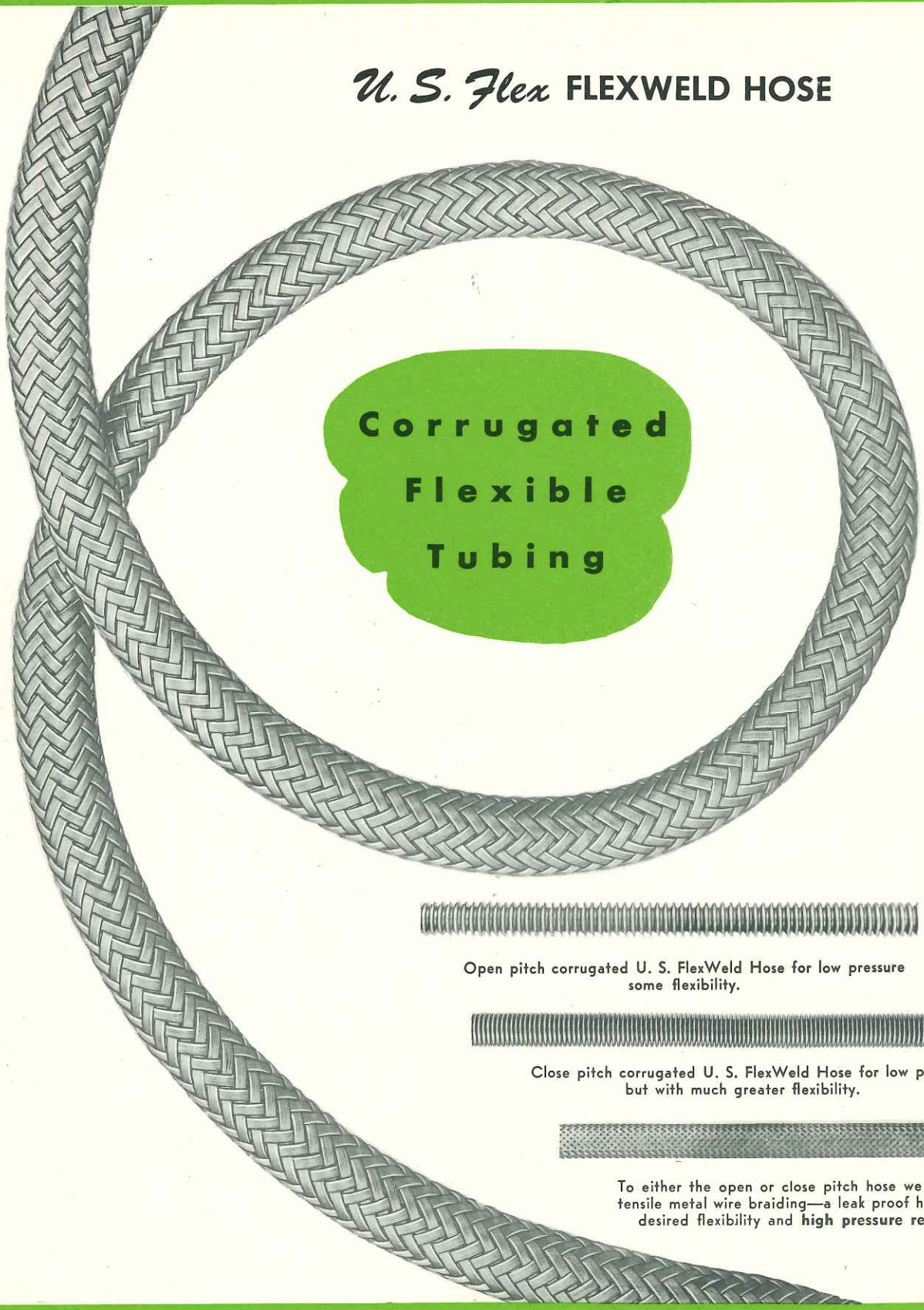
PATENT OFFICE
MAY 23 1961
DIVISIONS 81 & 82

FOUNDED in 1944, on the idea that a carefully made product is the important thing in any business, the U. S. Flexible Tubing Company was incorporated in early 1947. It is a "working company," for each of the owners has had many years of experience in the metal hose industry. These men are in the company to bring you a fine product that will reflect credit not alone on themselves, but upon the flexible tubing industry as a whole.

There are many metal hose companies. There are only a few making a broad selection of types of flexible metallic hose. This catalog is issued to you to bring to your attention how well we cover the field of flexible assemblies.

U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex FLEXWELD HOSE



Corrugated Flexible Tubing

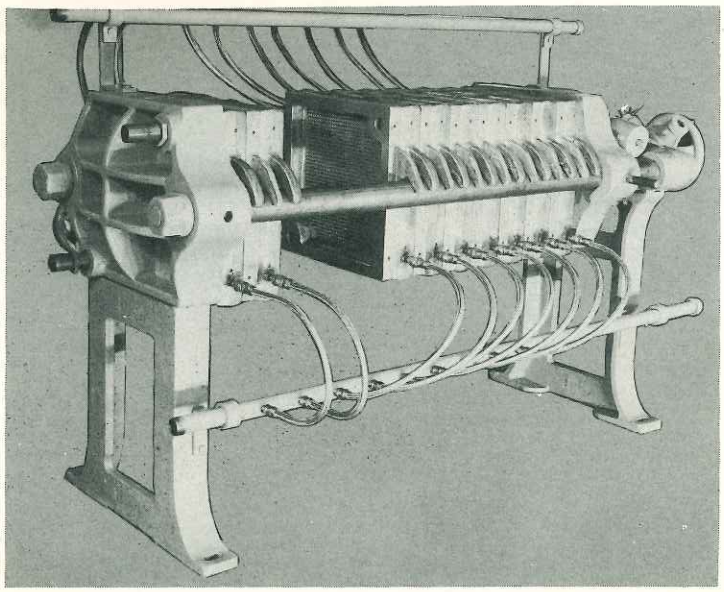
Open pitch corrugated U. S. FlexWeld Hose for low pressure some flexibility.

Close pitch corrugated U. S. FlexWeld Hose for low pressure but with much greater flexibility.

To either the open or close pitch hose we add a high tensile metal wire braiding—a leak proof hose with the desired flexibility and **high pressure resistance.**

U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex FLEXWELD HOSE



U. S. FlexWeld Bronze Hose used on modern filter press—
(Courtesy D. R. Sperry & Co.)

For specifications of U. S. Flex-Weld Hose and for illustrations of the various types of couplings please turn to next page.

Bronze U. S. FlexWeld Hose (FWB-31)

Steam Hose
Vibration Dampeners
Misalignment Connections
Press Opening Connections
Oil Burner Hose
An all-purpose hose for searching gases or liquids

Steel U. S. FlexWeld Hose (FWS-31)

Oil Hose
Lubricating Lines
Ammonia Hose
General Utility Hose for Fluids at high temperatures
Dry or super heated Steam Hose

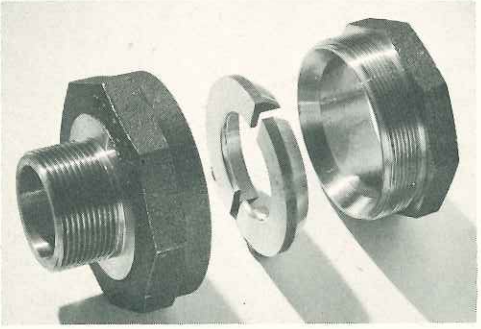
CORRUGATED FLEXIBLE TUBING

This annular corrugated, weld-type hose of many uses is made in either bronze or steel. Metal wire braided to handle high pressure, it has easy flexibility for tire, veneer, plastic and rubber mold presses. It is widely used for oil burner connections, and in fact anywhere a flexible piping connection is needed to handle liquids or gases at high temperatures without possibility of seepage. U. S. FlexWeld Steel enjoys great popularity due to its **economy, strength** and **durability.** In many conditions U. S. FlexWeld of Bronze is necessary even though more costly than steel. U. S. FlexWeld Bronze is a fine product. Rettachable Hi-Temp couplings may be used or if preferred, flanges or pipe nipple ends may be brazed or welded directly to the hose.

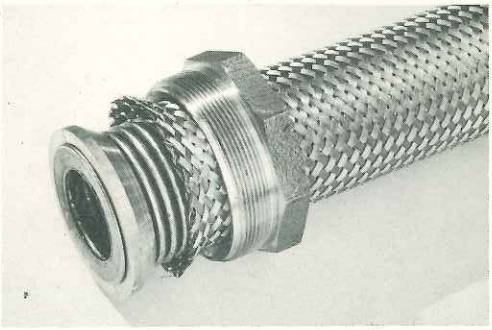
U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex COUPLINGS FOR U. S. FLEXWELD HOSE

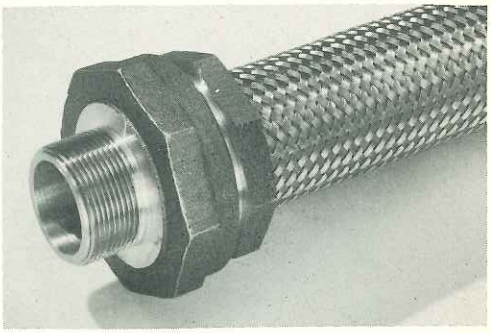
HI. TEMP REATTACHABLE COUPLINGS



Exploded view of Hi Temp. Coupling.

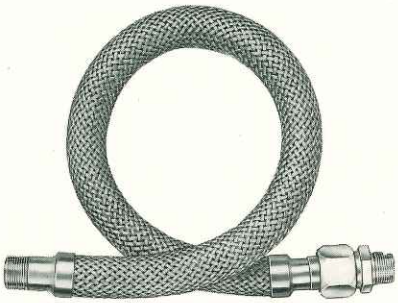


Illustrating method of applying split ring and showing pull-up nut with metal braiding pushed back.



Hi Temp. coupling in place and attached to hose.

Standard Flange welded to bare U. S. FlexWeld Hose.



A solid male and male Union coupling brazed to U. S. FlexWeld Hose.

Male Nipple end Welded to Braided U. S. FlexWeld.

U. S. FLEXWELD CORRUGATED HOSE

Inside Diameter (Inches)	Outside Diameter (Nominal) Bare	Outside Diameter (Nominal) Braided	Easy Circle Radius (Inches)	Burst Pressure† P.S.I.	Weight Per Foot* (Lbs.) Bare	Weight Per Foot* (Lbs.) Braided
1/4	1/2	37/64	6	10,500	.20	.30
3/8	11/16	49/64	7	7,500	.31	.45
1/2	7/8	59/64	8	7,000	.47	.63
3/4	1 1/4	1 19/64	10	5,000	.81	1.05
1	1 1/2	1 19/32	13	3,000	1.03	1.31
1 1/4	1 29/32	2"	15	2,000	1.52	1.85
1 1/2	2 1/4	2 5/16	17	1,800	1.90	2.41
2	2 29/32	3"	22	1,200	2.50	3.20

*Weights are for Steel—Bronze 10% more.

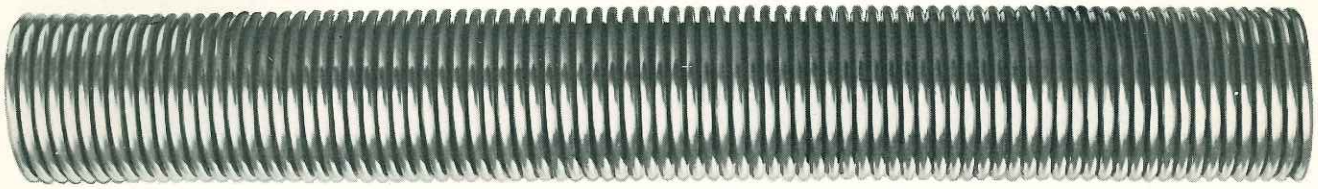
†Burst Pressure for Braided Steel Tubing—**note:** Burst Pressure of Bronze Tubing about 25% less.

U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex

SUPRAFLEX

SUPER FLEXIBLE ALL STAINLESS STEEL HOSE



Supraflex spirally corrugated Stainless Steel Hose is electrically welded from thin gauge strip of a tough chrome nickel steel alloy of high tensile strength, requiring no sealing or packing for its tightness. By an ingenious, fully patented, manufacturing process, a perfect weld is obtained. The light wall thickness makes for a uniform amazing flexibility. Perfect for: Weight Tank connections—conveying many corrosive liquids and gases—high tempera-ture where Stainless Steel is a **must.** Regularly furnished with strong Stainless Steel wire braided cover.

SPECIFICATIONS

Size I. D. Nom.	Outside Dia. Braided	Bend Radii Approx.	Working Pressure P.S.I. (Bare)	Working Pressure P.S.I. Braided	P.S.I. Braided & Wire Wound
3/16"	.38"	3"	85	1500	2500
1/4"	.45"	3"	80	1300	2250
3/8"	.60"	4"	40	1000	1750
1/2"	.75"	4 1/2"	30	750	1200
3/4"	1.07"	5"	20	500	800
1"	1.32"	6"	15	350	600
1 1/4"	1.58"	7"	13	300	500
1 1/2"	1.93"	8'	12	220	350
2"	2.44"	14"	10	150	250
2 1/2"	3.00"	16"	Depending Upon Application		
3"	3.58"	18"			
3 1/2"	4.10"	24"			
4"	4.60"	26"			

Vacuum Tight
Pressure Tight
Highly Heat Resistant
Exceptionally Flexible
Very Light Weight
Vibration Proof
Non Corrosive

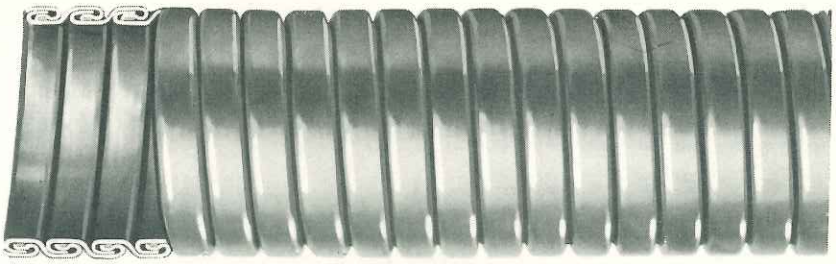
SUPRAFLEX FITTINGS

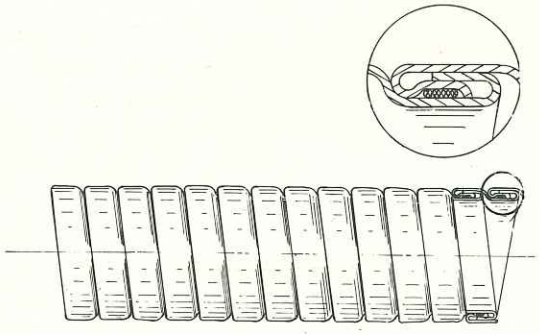
Couplings or Flanges are attached by means of Silver Solder or Nicro-Welding.

U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex INTERLOCKED F-15 HOSE

Made In
BRONZE, STEEL
AND OTHER METALS
Fully Interlocked
Asbestos Packed
Pressure Tight





U. S. Flex F-15 Interlocked Hose differs from our corrugated types of hose in that it is "wound." Metal strip is wound upon itself by a machine designed to form the strip into a four-walled interlocking joint of great strength and durability. An expensive high grade asbestos cord is fed into a formed groove in the strip at the time of winding, making a pressure-tight hose that remains truly flexible under long service. Bronze is used mostly for water and saturated steam, while the less costly steel has the same physical properties for oil, gases or liquids that are not corrosive to steel. All F-15 Hose is tested and on applicable sizes and weights is made to conform with U.S. Navy Specification 33-H-15B and Federal Specification RRH-651.

Inside Diameter (Inches)	Nominal Outside Diameter (Inches)	Approx. Metal Thickness (Inches)	Nominal Inside Diam. of Bend (Inches)	Test Pressure P.S.I. Hydrostatic Straight	Test Pressure P.S.I. Hydrostatic Bent	*Weight per foot (lbs.)
1/2	43/64	.017	8	750	.....	.36
3/4	63/64	.024	13	500	400	.75
1	1-15/64	.024	16	500	400	.97
1 1/4	1-17/32	.029	20	400	300	1.45
1 1/2	1-53/64	.033	25	400	300	2.01
2	2-21/64	.033	28	300	200	2.60
2 1/2	2-53/64	.033	32	300	200	3.21
3	3-3/8	.037	40	250	150	4.17
4	4-3/8	.037	52	200	75	5.48
4	4-1/2	.050	56	200	75	7.36
4	4-19/32	.060	60	200	75	9.22
5	5-3/8	.037	65	175	75	6.78
5	5-1/2	.050	70	175	75	9.09
5	5-19/32	.060	75	175	75	11.36
6	6-3/8	.037	78	150	75	8.10
6	6-1/2	.050	84	150	75	10.31
6	6-19/32	.060	90	150	75	13.50
8	8-1/2	.050	104	65	.....	14.27
8	8-19/32	.060	112	75	.....	17.80

*Weights shown for Bronze; Steel about 10 per cent lighter.

Use F.15 Hose with Confidence on hard-to-handle jobs.

Steam—Oil

Gas Holder Heating

Tar and Asphalt

Tank Car or Barge Unloading

Diesel Exhaust

Vegetable Oil Transfer

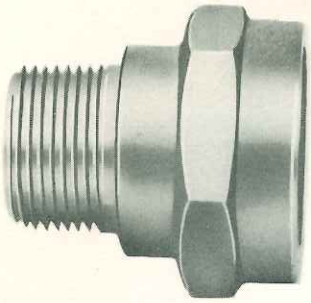
Transformer Oil Filters

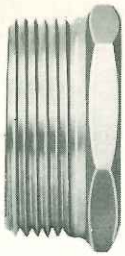
Rivet Passers

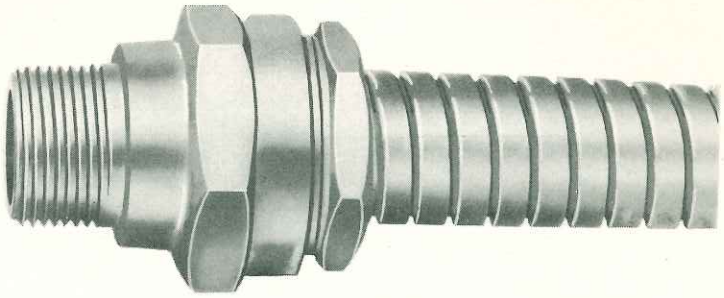
U. S. Flexible Tubing Co., Bartlett, Ill.

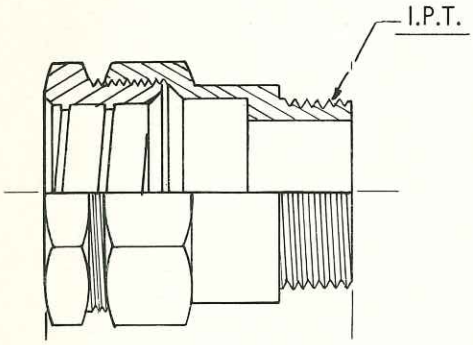
U. S. Flex INTERLOCKED F-15 HOSE

With Heatproof or Soldered Couplings



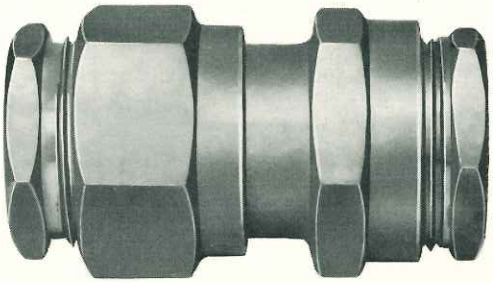






Any hose is no better than the couplings attached. U.S. Flex provides a wide range of style and sizes that are designed to meet most all working conditions. In general these couplings are in the Packed or Heatproof class or in the Soldered or sweat-on type depending on the service conditions. It is important to state in ordering the type of connection needed, (male or female thread) and the temperature involved. Pictured above is a male coupling of the Heatproof type. This coupling threaded to the helix of the hose and packed with asbestos in the "stuffing box" is tight and cannot be blown off the hose. In our couplings as in our hose, strength and safety are paramount.

Note Rugged Construction



Female Packed H. P. Coupling

Where heat is involved the Packed or Heatproof coupling is indicated but frequently on low temperatures, under 250 degrees F., a simpler solution is found in the soldered or sweat-on coupling as shown. High temperature solder is employed and great care is taken in attaching. All soldered couplings have sufficient "shank" so that they can be used with perfect safety where there is low or no heat factor to consider. Flanges can also be furnished either soldered or welded directly to the hose. Welding has been successfully employed on Diesel exhaust and handling of heavy liquids.

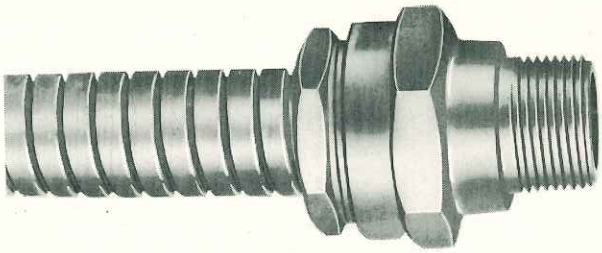
U. S. Flex Soldered Male Coupling

U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex INTERLOCKED F-15 STEEL HOSE

for TAR AND ASPHALT HOSE — On The Road

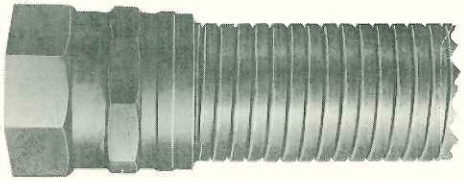
In the oil treating and black topping of roads tremendous quantities of F-15 Tar and Asphalt Steel Hose have been used. Reversing the long standing trend in manufacturing hose for this work, U.S. Flexible Tubing Co. has insisted on careful painstaking fabrication and rigid inspection of all T and A Hose. On that toughest of all jobs, hand spraying of hot asphalt, your men can be sure of a flexible non buckling hose that will help them and not fight them. The three inch hose for transfer from tank car to distributor truck has that soft feeling of easy bending that saves time on the job. Our hose is standard equipment on the road oil distributor "rigs" of a number of the larger road equipment manufacturers today. It has earned its place in their specifications.



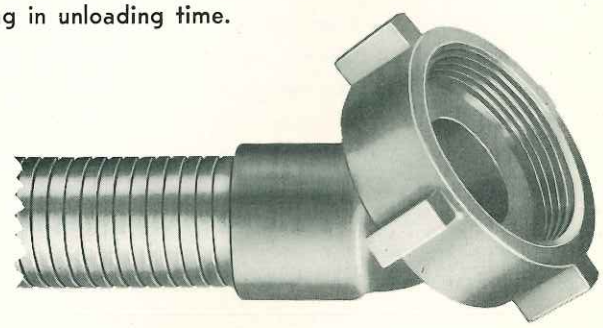
for TANK UNLOADING — At The Plant

To unload a tank car in the quickest, safest and most economical way is the problem of all tank car buyers of fuel oil, furnace oil and vegetable oils. F-15 Tank Car Assemblies supply the answer. Being all metal and connected directly to the nipple of the tank car static safety is assured.

Made in sizes from 2" I.D. to 4" I.D. our recommendation is the 3" I.D. assembly. All Tank Cars have a breaker point on the nipple as a safety precaution, and at this point material is restricted in its flow to a 3¼" circle or hole so the 3" I.D. Tank Car Hose supplies maximum flow with a resulting saving in unloading time.



Furnished with
Tank Car Couplings
4 A.R.A. threads
per inch
5¼" I.D. on
a 45 degree elbow.



FOR SAFE AND FAST UNLOADING

U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex INTERLOCKED STEEL HOSE
HEAVY DUTY
EXHAUST — VACUUM — BLOWER

Our assortment of types and sizes of Heavy Duty Interlocked Exhaust Hose covers a wide range of industrial applications. Made in three different weights of metal and readily available in steel, stainless steel, brass, monel and other workable alloys; it is indeed a versatile hose. The addition of asbestos packing, (F-92, F-925, F-930) rubber or synthetic (F-1120, F-1125, F-1130) or copper wire (F-1020, F-1025, F-1030) enlarges the field of uses. Common applications include industrial vacuum cleaners—tractor and light diesel exhaust—ventilating ducting—U.S. Navy voice tubing—and powdered coal and crushed ice transfer hose. Its adaptations in the industrial world are numberless. For its economical work in your plant may we suggest that you discuss its many uses with our sales engineers.

DIMENSIONS									
	F-82 MEDIUM WEIGHT FROM .020" METAL			F-825 HEAVY WEIGHT FROM .025" METAL		F-83 EXTRA HEAVY WEIGHT FROM .030" METAL			
	OUTSIDE DIAMETER			BEND RADIUS, INCHES			POUNDS PER 100 FT.		
Nominal I.D.	F-82	F-825	F-83	F-82	F-825	F-83	F-82	F-825	F-83
1"	1-3/16"			5	....	....	64	.....	.....
1¼"	1-7/16"			6	....	....	80	.....	.....
1½"	1-11/16"	1¾"	1-13/16"	7	7	8	96	125	150
1¾"	1-15/16"	2"	2-1/16"	8	8	9	112	145	175
1⅞"	2-1/16"	2⅛"		8½	9	....	116	160	.....
2"	2-3/16"	2¼"	2-5/16"	9	9	12	145	175	200
2¼"	2-7/16"	2½"	2-9/16"	10	10	13	150	190	230
2½"	2-11/16"	2¾"	2-13/16"	10½	11	15	160	220	255
3"	3-3/16"	3¼"	3-5/16"	12	12	17	195	250	305
3½"	3-11/16"	3¾"	3-13/16"	13	14	18	225	325	425
4"	4-3/16"	4¼"	4¼"	14	15	19	256	350	485
5"	5-3/16"		5¼"	20	....	20	370	.....	545
6"	6-3/16"		6¼"	22	....	23	475	.....	650
7"	7-3/16"		7¼"	24	....	26	550	.... .	825
8"	8-3/16"		8¼"	30	....	30	675	.....	950

Bending radii on packed tubes will vary slightly from above table.

U. S. Flexible Tubing Co., Bartlett, Ill.

GENERAL UTILITY INTERLOCKED LIGHT HOSE
Type F-6

DURABLE

LIGHT

FLEXIBLE

VERSATILE

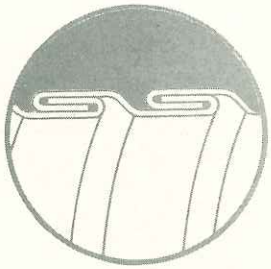
ECONOMICAL

This general purpose hose is probably the most widely known metal hose product. You may see it everywhere. In the garage as an exhaust conveyor to the ventilating manifold—In the shop sucking up chips and shavings—and on the farm connected to the blower on the crop dusters.

Not made for high pressure it is a simple conveyor for blower work, fume disposal—loose material handling—and dust collection.

The designing engineer will find this light flexible tubing well worth considering where expensive sheet metal ducting would ordinarily be specified for it is reasonably tight and will conquer otherwise bothersome mis-alignment bends.

Heavier than usually offered by the industry, U. S. Flex uses .012" strip



Size I.D.	O.D.	Weight 100 ft.	Bend Radius	Size I.D.	O.D.	Weight 100 ft.	Bend Radius	Size I.D.	O.D.	Weight 100 ft.	Bend Radius
5/8"	3/4"	25 lbs.	2.7"	1 5/8"	1 3/4"	61 lbs.	5.2"	2 7/8"	3"	102 lbs.	9.5"
3/4"	7/8"	28 "	3.0"	1 3/4"	1 7/8"	74 "	5.5"	3"	3-3/16"	126 "	10.0"
7/8"	1"	34 "	3.2"	1 7/8"	2"	76 "	5.7"	3 1/4"	3-5/16"	150 "	11.0"
1"	1 1/8"	38 "	3.5"	2"	2 1/8"	80 "	6.0"	3 1/2"	3-9/16"	162 "	12.0"
1 1/8"	1 1/4"	42 "	3.9"	2 1/8"	2 1/4"	82 "	6.5"	4"	4-3/16"	175 "	13.0"
1 1/4"	1 3/8"	46 "	4.2"	2 1/4"	2 3/8"	86 "	7.0"	4 1/2"	4-9/16"	180 "	14.0"
1-5/16"	1-7/16"	48 "	4.6"	2 3/8"	2 1/2"	88 "	7.6"	5"	5-3/16"	190 "	15.0"
1 3/8"	1 1/2"	51 "	4.8"	2 1/2"	2 5/8"	90 "	8.0"	6"	6-3/16"	210 "	18.0"
1 1/2"	1 5/8"	59 "	5.0"	2 5/8"	2 3/4"	93 "	8.8"	8"	8-3/16"	350 "	28.5"

U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex SQUARE LOCK TUBING

UNPACKED (F-1) COTTON PACKED (F-2) HEAVY ASBESTOS PACKED (F-3)

The baby of the U.S. FLEX family, F-1 SQUARE LOCK CONDUIT, is used widely and in many fields. As a protective armor for electric wires many thousands of lengths are used by the manufacturers of ironers, vacuum cleaners, light reflectors, et cetera, as a guard or reinforcement against sharp bends. Its extreme flexibility is a vital factor in those shops where high production on the assembly line must be maintained. Square Lock Tubing can be furnished unpacked, (F-1), packed with cotton cord (F-2) for moisture-resistance, packed with light asbestos cord (F-4) for fire resistance, and with heavy asbestos cord for medium pressures. This last includes the exhaust tubes for gasoline engine driven washing machines and much of the tubing used for oil and alcohol can spouts.

Brake Cable Armor

•

Fuel Hose Liner

•

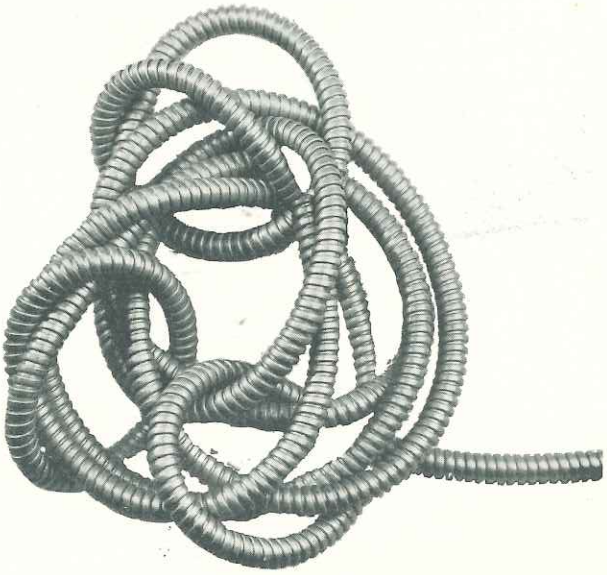
Rip Cord Housing

•

Capillary Tube Armor

•

Moisture Proof Conduit



Wire Casing

•

Cable Protection

•

Engine Exhaust

•

Spout Tubing

•

Fireproof Conduit

Furnished in coils or cut to length

SPECIFICATIONS							
I.D.	O.D.	Metal Thickness	Lbs. per 100 ft. Approx. Weight	I.D.	O.D.	Metal Thickness	Lbs. per 100 ft. Approx. Weight
3/16"	9/32"	.010	3.8	1/2"	5/8"	.012	9.0
7/32"	21/64"	.010	4.2	9/16"	11/16"	.012	10.4
1/4"	23/64"	.010	4.5	5/8"	3/4"	.012	11.3
9/32"	25/64"	.010	5.0	3/4"	31/32"	.018	18.1
5/16"	27/64"	.010	5.4	7/8"	1-3/32"	.18	20.6
11/32"	29/64"	.010	5.8	1"	1-7/32"	.020	26.2
3/8"	1/2"	.012	6.2	1 1/8"	1-21/64"	.020	35.00
13/32"	17/32"	.012	6.8	1 1/4"	1-13/32"	.020	45.6
7/16"	9/16"	.012	8.2				

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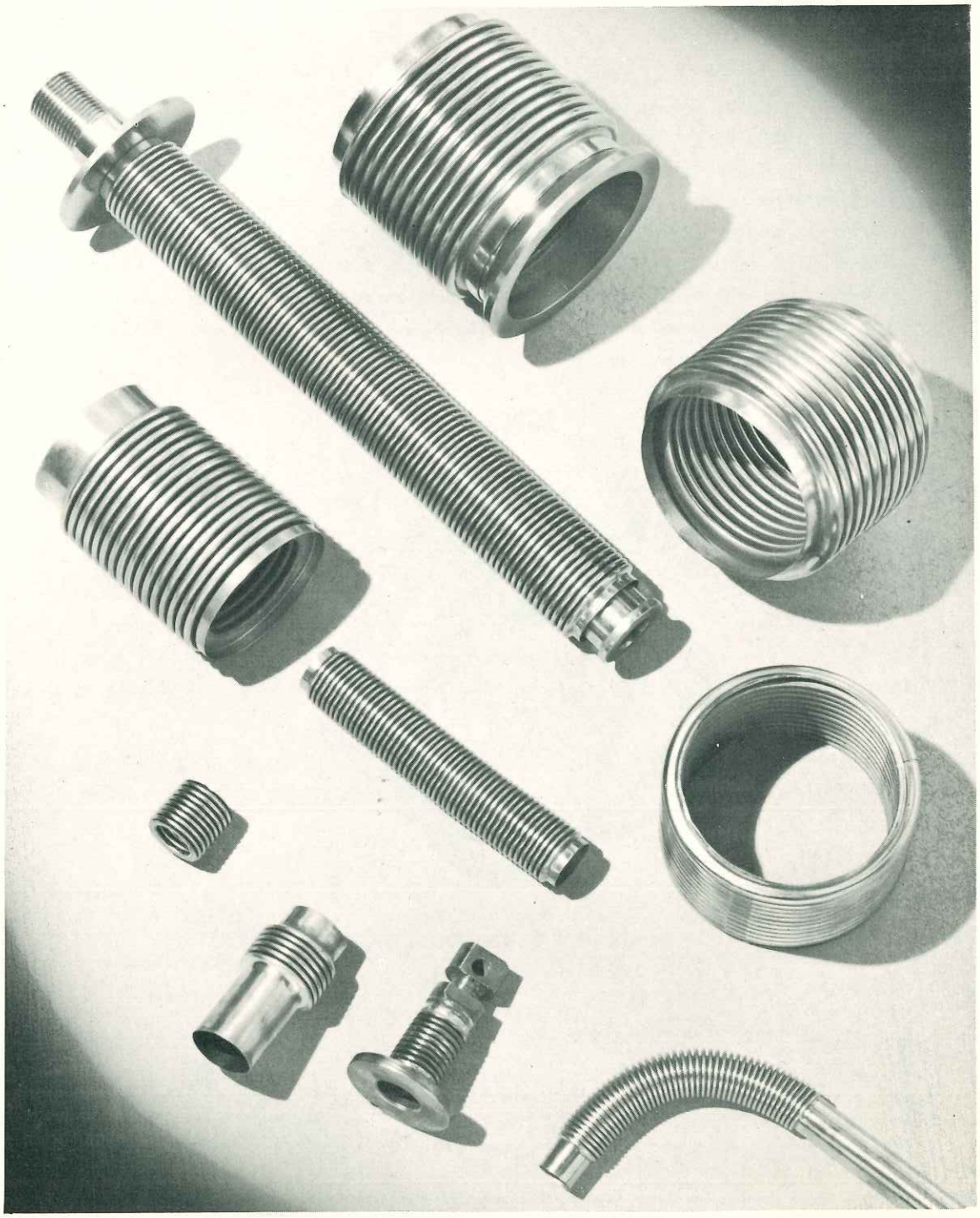
BELLOWS

Stainless Steel

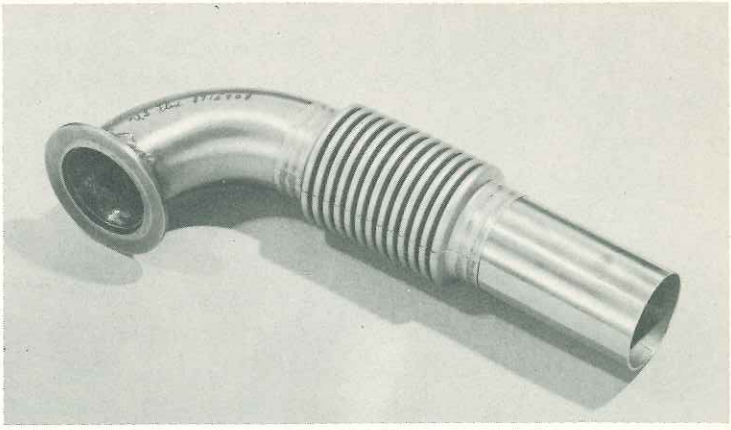


U. S. Flexible Tubing Co., Bartlett, Ill.

U.S. Flex STAINLESS STEEL BELLOWS

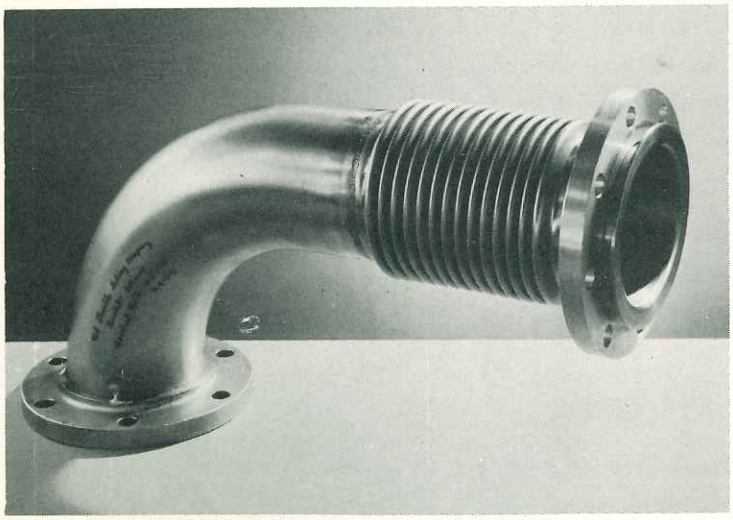
I.D.	O.D.	Straight Neck I.D.	Wall Thickness	Maximum Internal Pressure* Single Wall Unbraided P.S.I.	Corr. Per Inch	Maximum Max. Length
1/2"	13/16"	5/8"	.004"	147	14	6"
3/4"	1 7/32"	15/16"	.004"	105	12	7"
7/8"	1 3/8"	1 1/8"	.004"	95	10	7"
1"	1 5/8"	1 1/4"	.006"	80	8	8"
1 1/4"	1 27/32"	1 1/2"	.006"	100	8	8 1/2"
1 1/2"	2 1/8"	1 3/4"	.006"	88	8	9"
1 3/4"	2 1/2"	2"	.006"	75	8	9"
2"	2 3/4"	2 1/4"	.006"	75	6	10"

*Allowable external pressure 15 per cent higher. Bellows, with lengths longer than the I.D. should be guided when used at maximum working pressure.



The stainless steel anti-corrosive bellows which is well known for applications where axial motion is required, is fabricated in a manner to retain consistant wall thickness, inherent spring rate, and strength. Characteristically, the neck diameters are midway between the I.D. and O.D. of the bellows. Multi-ply and uni-metal assemblies fabricated to special order.

U.S. Flex STAINLESS STEEL FLEX-DUCTS



I.D.	O.D.	Straight Neck I.D.	Wall Thickness	Allowable Working Pressure Single Wall Unbraided P.S.I.	Close Pitch Corrugations Per Foot
1/2"	3/4"	1/2"	.004"	20	179
5/8"	13/16"	5/8"	.004"	20	150
3/4"	1"	3/4"	.004"	18	142
1"	1 1/4"	1"	.006"	12	118
1 1/4"	1 1/2"	1 1/4"	.006"	12	105
1 1/2"	1 7/8"	1 1/2"	.006"	12	96
2"	2 3/8"	2"	.006"	6	82
2 1/2"	2 7/8"	2 1/2"	.006"	5	74
3"	3 1/2"	3"	.006"	3	66
3 1/2"	4"	3 1/2"	.008"	4	60
4"	4 9/16"	4"	.008"	3	56
4 1/2'	5 1/8"	4 1/2"	.008"	2	50
5"	5 11/16"	5"	.010"	2	47
6"	6 3/4"	6"	.010"	2	45

FLEX-DUCT represents engineering advances in the manufacture of flexible metal products. Utilization of thin stainless steel sheet affords lightness as well as high inherent strength with the ability to handle searching and corrosive liquid and gases at elevated temperatures. U.S. FLEX-DUCT is extremely flexible and is available in various formations to meet the exacting needs of industry.

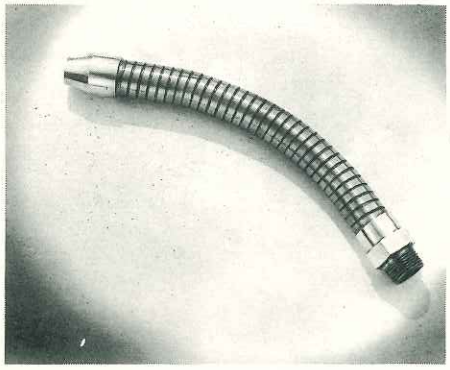
Unlike Bellows which are primarily intended for axial motion, U.S. FLEX-DUCT is designed for lateral and radial movement and moderate axial motion.

FLEX-DUCT is ideally suited to compensate for misalignment, off-set, vibration, expansion, and contraction. To meet frequent demands, the necks are of the same diameter as the I.D. of the corrugated unit.

U. S. Flexible Tubing Co., Bartlett, Ill.

U. S. Flex SPECIALTIES

tailor made to our customer's needs



COOLANT HOSE

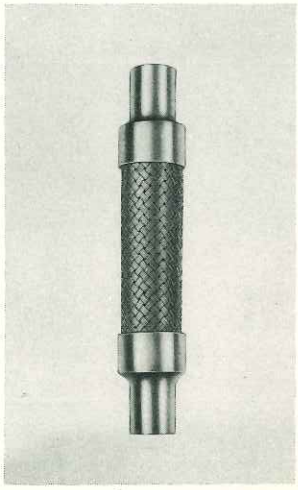
U. S. Flex Coolant Hose is familiar to all machine tool operators. Made from dual wound oil tempered steel it has the necessary ability to be bent at will to a desired position and to stay in place directing the flow of coolant oil. Made in sizes from 1/4" to 3/4" I.D. it is usually requisitioned with male I.P.T. coupling and nozzle end as illustrated.

FLEXLINED CONVEYOR HOSE

By locking in a strip of stainless steel while winding an interlocked steel hose we produce a highly flexible smooth bore hose for handling dry abbrasive materials. Used in connection with pneumatic conveyor systems or as a flexible chute it makes a practical method for conveying grain, fertilizers, rice and a number of other dry materials. Easy to handle and with its stainless steel liner highly resistant to abrasion, the smooth bore speeds transfer time amazingly.

INDUSTRIAL VIBRATION DAMPENERS

For use in any pipe line to control the destructive effect of vibration, these Industrial Vibration Dampeners find many rewarding applications. They are not limited to the heating and air conditioning industry but find their way into a great many industrial piping layouts as a simple and practical method of dampening vibration and noise. Operating conditions determine whether these units are made from U. S. FlexWeld Bronze Hose or from Supraflex Stainless Steel Hose.



U. S. Flexible Tubing Co., Bartlett, Ill.

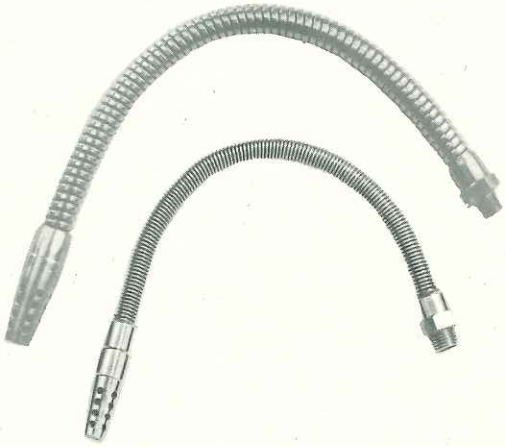
U. S. Flex SPECIALTIES

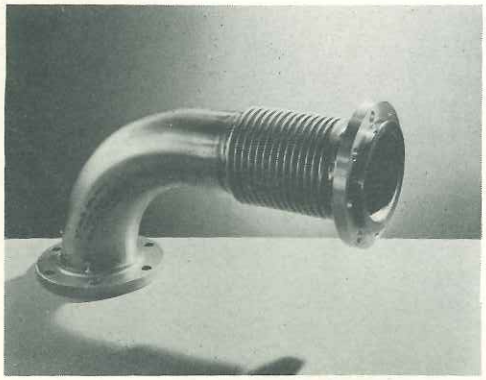
tailor made to our customers' needs
CAPILLARY TUBING ARMOR

Both in stainless steel and in phosphor bronze our F-16 capillary tubing armor provides the long lengths and easy flexibility demanded by the leading recording instrument manufacturers. We have greatly expanded our manufacturing facilities for this highly specialized product to meet requirements of this exacting field. Where capillary tubing depends upon F-16 armor for its protection, the manufacturer can depend on its two-fisted strength and resistance to stretch. This armor can also be furnished with a plastic covering.

TIRE BAG EVACUATOR TUBING

This tubing is used as a means of promptly evacuating the water from the tire bags after the vulcanizing of the tire has been completed. For the tire manufacturer we have two versions of tire bag evacuator, "pig tails" shown here in the usual stainless steel wound interlocked type with ends and below our own improved version bare Supraflex Stainless Steel Hose. The Supra type is suggested where the maintenance problem with the wound type tube more than warrants this more durable longer lasting assembly.





FLEXDUCTS

In the military, aeronautical, atomic energy and chemical fields we are continually faced with requirements far removed from the usual demands. For this work of engineering for flexibility we have met challenging specifications with new and searching development work. U.S. FlexDucts are an example of another type of work we carry on here at Bartlett.

U. S. Flexible Tubing Co., Bartlett, Ill.

ALMOST ALL INDUSTRIES USE *U. S. Flex* METAL HOSE

STEEL MILLS	Braided Supraflex with guard for furnace doors. F-15 Hose or U. S. FlexWeld for grease ends to rollers. F-15 Hose for charging hose, water cooled cable conduit of Supraflex.
RUBBER INDUSTRY	U. S. FlexWeld Bronze Hose for tire molds. Supreflex or Interlocked Stainless Steel Hose for Tire Evacuator Hose. Platen Press Hose of U. S. FlexWeld Bronze.
ROAD BUILDING CONTRACTORS	Large quantities of F-15 Tar and Asphalt Hose for hand spraying road oils and for transfer work.
CHEMICAL INDUSTRY	Many uses for Superaflex Hose and U. S. FlexWeld Bronze. Special alloy FlexDucts to correct misalingment and combat chemical action.
SOAP MANUFACTURERS	Many uses for special assemblies. Flexlined Hose for palm nut and copra loading and unloading.
	U. S. FlexWeld Bronze for steam. Superaflex and FlexDucts for edible oils. F-15 Steel Hose for Tank Car unloading and Tank Wagon Transfer Hose.
AVIATION, MILITARY, ORDNANCE, ENGINEERS, and NAVY	The Government finds many uses for U. S. Flex Hose and Special Assemblies. Uncle Sam's defense work with its modern program of planes, guided missiles and tanks bring frequent calls on our productive ability and ingenuity.
OIL INDUSTRY	Both U. S. Flex Stainless Steel Supraflex Hose and U. S. Flex Weld Hose are found in most of the major oil refineries around the country. The refineries appear to find more and more demands for the high heat resistance and flexibility of our products.
MACHINE TOOL INDUSTRY	Frequent orders for U. S. Flex Coolant Hose as well as for U. S. FlexWeld and interlocked blower hose have been a welcome demand on our production for a long time. Many machine manufacturers have come to depend on our sure and prompt service.
HEATING ENGINEERING	Modern engineering methods of heating hotels, apartments and stores have brought expansion problems best answered with flexible expansion units. Handy for correcting piping misalignment too.
INSTRUMENTATION	For many years we have produced capillary armor tubing, our F-16, for a number of the leaders in the field of Temperature Recording Instruments. Made from Bronze, Stainless Steel, and Plastic Covered Metal, U. S. Flex F-16 continues to be specified by the critical engineers in the field of instruments.

This catalog only briefly indicates to you a few of the items we have to offer you. There are many metal hose companies; there are only a few making a broad or complete selection of flexible metal hose. While we may not be the largest of this capable group, we believe that our size has its compensations as we are versatile and alert to the importance of our customers wishes. Your inquiries will receive prompt attention.

U. S. Flexible Tubing Co., Bartlett, Ill.

RETURN TO
DESIGN DIV.

U. S. Flex

METAL HOSE

PATENT OFFICE
MAY 23 1961
DIVISIONS 81 & 82

CATALOG NO. 755A